Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute	for form 1449A/PTO			(c	omplete if Known
NEO	RMATION I	אפרי	AGIIDE	Application Number	Based on 10/341,470
	EMENT BY			Filing Date	January 14, 2003
SIAI				First Named Inventor	Jun KOYAMA, et al.
	(use as many sheets o	23 MCCELSI	(עיי	Group Art Unit	2675
				Examiner Name	S. Kumar
Sheet		of	4	Attorney Docket Number	0756-7297

				U.S. PATENT DOCUMEN	rs	
Examiner Initials	Cite No.1	ite U.S. Petent Document		Name of Patentes or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ³ (If Impun)	Document	NOT-DO-AAAA	
44		5,734,366		Kubota et al.	03/31/1998	
ı		5,764,206		Koyama et al.	06/09/1998	
		5,956,581		Yamazaki et al.	09/21/1999	
		6,054,976		Kubota et al.	04/25/2000	
		5,731,613		Yamazaki et al.	03/24/1998	
		5,959,313		Yamazaki et al.	09/28/1999	
		6,268,842		Yamazaki et al.	07/31/2001	
		5,945,970		Moon et al.	08/31/1999	
		5,990,877	T i	Yeo	11/23/1999	
		6,037,923		Suzuki	03/14/2000	
		6,069,605	7	Ozawa	05/30/2000	
SKK		2002/00536	71	Koyama	05/09/2002	

			F	OREIGN PATENT DOC	UMENTS		
Examiner Lobials	Cite No.		Foreign Patent Document	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office	Kind Code ^r Number ⁴ ((/ known)	Applicant of Cited Document	MO4-DD-YYYY	Figures Appear	T*
SKK		JP	08-172049		07/02/1996		Abst.
		EP	0 657 863		06/14/1995		Eng.
7		JP	05-001893		01/08/1993		Abst.
SKYL		1b	07-162788		06/23/1995		Abst.
			OTHER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS		
Examiner Initials	Cite No. ¹			thor (in CAPITAL LETTERS), ournal, serial, symposium, catal publisher, city and/or coun	og, etc.)., date, page(s), volum		L ₃
SXX	U.S. Patent Application Serial No. 09/334,646, including specification, drawings, and pending claims, "Semiconductor Device and Fabrication Method Thereof," Shunpei YAMAZAKI, et al., June 17, 1999.						_
Furue et al., "P-78: Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray- Scale Capability," pp. 782-785, 1998, SID 98 Digest.							

Examiner Sugal Market	Date 313/06

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box \rightarrow [+]

PTO/SB/08A (08-00)

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Petent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute	for form 1449A/PTO			Complete if Known		
INFO	RMATION I)ISC	LOSURE	Application Number	Based on 10/341,470	
	EMENT BY			Filing Date	January 14, 2003	
21A1				First Named Inventor	Jun KOYAMA, et al.	
	(use as many sheets o	u recess	<i>²7))</i>	Group Art Unit	2675	
				Examiner Name	S. Kumar	
Sheet	2	of	4	Attorney Docket Number	0756-7297	

	U.S. PATENT DOCUMENTS									
Examiner Inklah	Cite No.1	Cite U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Ched Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		Number	Kind Code ³ (/ Imova)	Document	HON-DD-YYYY					
She		6,246,387		Yamazaki	06/12/2001					
		6,496,171		Yamazaki	12/17/2002					
		5,432,527		Yanai et al.	07/11/1995					
		4,797,629		Widlar	01/10/1989					
		5,594,569		_Konuma et al.	01/14/1997-					
		5,643,826		Ohtani et al.	07/01/1997					
		5,648,277		Zhang et al.	07/15/1997					
		5,767,529		Kobori et al.	06/16/1998					
	-	5,844,535		Itoh et al.	12/01/1998					
		5,900,854		Itoh et al.	05/04/1999					
7/		5,923,962		Ohtani et al.	07/13/1999					
BLU		5,942,856		Koyama	08/24/1999					

				FOREIGN PATENT DOC	UMENTS		
Examiner leitish	Cits No.1		Foreign Patent Document	Name of Patentee or	Date of Publication of Cited Document	Peges, Columns, Lines, Where Relevent Pessages or Relevent	
		OUIPS)	Kind Code Number ((/knowe)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	7
SKIL	1	JP	07-130652		05/19/1995		Abst.
		JP	07-135318		05/23/1995		Abst.
		JР	08-078329		03/22/1996		Abst.
			OTHER PRIO	r art – non patent lite	RATURE DOCUMENTS		
Examiner Initials*	Cite No.					T²	
Specifications and drawings for Application Serial No. 09/300,133, "Thin Film Transistor Circuit and a Semiconductor Display Device Using the Same," Filing Date: April 27, 1999, Inventors: Shunpei YAMAZAKI et al.							
				Arrangement of TFTs ligher Effective Yield			
V		Sili	con Technology," So	s Poster: A 60 in. HD7 ciety for Information D XIX, May 1998, pp. 4	isplay International S		

Examiner Signature	Sullsutto	Considered	31/3/06	
	/	• • • • • • • • • • • • • • • • • • • •		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute	: for form 1449A/PTO			Complete if Known		
INFO	RMATION I)TSCI	LOSURE	Application Number	Based on 10/341,470	
				Filing Date	January 14, 2003	
91A1	TEMENT BY			First Named Inventor	Jun KOYAMA, et al.	
	(use as many sheets a	IS RECEISE	(עיי	Group Art Unit	2675	
				Examiner Name	S. Kumar	
Sheet	3	of	4	Atturney Docket Number	0756-7297	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials	Cite No.1	U.S. Patent Document		Name of Petentee or Applicant of Clind	Date of Publication of Cited Document	Peges, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² ((fanous)	Document	MO4-DD-YYYY	
5/4	7	5,247,375		Mochizuki et al.	09/21/1993	
T		5,365,875		Asai et al.	11/22/1994	
		5,372,836		Imahashi et al.	12/13/1994	
		5,403,762		Takemura	04/04/1995	
		5,413,958		Imahashi et al.	05/09/1995	
		5,432,122		Chae	07/11/1995	~
		5,589,406		Kato et al.	12/31/1996	
		5,471,225		Parks	11/28/1995	
		5,597,740		Ito et al.	01/28/1997	
		5,798,742		Watatani et al.	08/25/1998	
		5,808,595		Kubota et al.	09/15/1998	

			·	FOREIGN PATENT DOC	TUMENTS	···	
Examiner Initials		Foreign Patent Document		Name of Patenton or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	i
		Office	Kind Cor Number (if boos		M04-DD-YYYY	Figures Appear	7*
GIX	-	JP	05-203977		08/13/93	•	Full
1	1	JP	04-282869		10/07/92		Abst.
	1	EP	0 091 806		10/19/83		Eng.
		JP	58-127318		07/29/83		Abst.
47	1	JP	59-161014		09/1984		Abst.
V			OTHER P	rior art – non patent lit	erature documents		
Examiner Initials	Cite No. ¹		Include name of t	he author (in CAPITAL LETTERS) rine, journal, serial, symposium, cati publisher, city and/or cou	alog, etc.)., date, page(s), volum	apriate), title of the ne-issue number(s),	1,3
Ale	-			A Full-Color Threshold Fast Response Time," pp.			
T		Тта	nslation of JP 5-1	75235, June, 1993.		-	
7/		Tra	nslation of JP 5-20	03977, August, 1993.	***************************************		

_	1/1/10		· · · · · · · · · · · · · · · · · · ·	
Examiner	1.10114811-	Date	3/12/21	
Signature	NUMBER OF THE PARTY OF THE PART	Considered	1 2112106	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 5 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). A For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitut	for form 1449A/PTO		•	Complete if Known		
INFO	RMATION I	ntecl	LOSIDE	Application Number	Based on 10/341,470	
				Filing Date	January 14, 2003	
51A	TEMENT BY			First Named Inventor	Jun KOYAMA, et al.	
	(use as many sheets	as necessi	'''y)	Group Art Unit	2675	
				Examiner Name	S. Kumar	
Sheet	4	of	4	Attorney Docket Number	0756-7297	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials	Cite No.1	U.S. Petent 1	Document	Name of Patemes or Applicant of Cited	Date of Publication of Circle Document BOA-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ³ (If known)	Document		
50		6,057,183		Koyama et al.	05/02/2000	
		5,250,852		Ovens et al.	10/05/1993	
		5,194,853		Asada	03/16/1993	
		5,477,073		Wakai et al.	12/19/1995	
		5,529,630		Imahashi et al.	06/25/1996	
		5,166,671		Maekawa	11/24/1992	
		5,357,290		Horibe	10/18/1994	
		5,335,023		Edwards	08/02/1994	
		5,680,149		Koyama et al.	10/21/1997	
		5,264,383		Young	11/23/1993	
		4,330,363		Biegesen et al.	05/18/1982	
		4,466,179		Kasten	08/21/1984	
.//		5,145,808		Sameshima et al.	09/08/1992	
000		6,522,316		Koyama et al.	02/18/2003	

	,		FOREIGN PATENT DOC	UMENIS	<u></u>			
maminer nitials	Cas No.	Foreign Pasent Document	Name of Patentoe or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant			
		Kind Code* Office* Number* (if known)	Applicant of Cited Document	NOM-DD-YYYY	Figures Appear	T*		
CACK	十一	JP 8-062637		03/08/1996		Abst.		
LALV	-	JP 05-175235		07/13/1993		Full		
		other prio	r art – non pat ent lite	RATURE DOCUMENTS				
caminer nitials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, scrial, symposium, catalog, etc.)., date, page(s), wolumo-issue number(s), publisher, city and/or country where published.						
de		M. Fuse et al., Sol. St. Pl	M. Fuse et al., Sol. St. Phenom. 37-38(1994)565, "Performance of poly-si TFTs," 1994.					
		M. Bonnel et al., "IEEE annealing process," Dec	-	(12)(1993)551, "TFT	s with two step	_		
		I. Fujieda et al., IEMD '	93 Proc., p. 587, "Self-	referenced Polys-Si T	FT amplifier," 1993.	_		
		Webster's II New Rivers	side University Diction	ary, Houghton-Miffli	n Company, 1994.			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Considered

Signature

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Unique citation designation number. Applicant is to place a check mark here if English language Translation is attached.

plus sign (+) i

Sheet

Examiner

Signature

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and to a collection of information unless it comains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

TRADEN

(use as many sheets as necessary)

of

Complete if Known						
Application Number	10/827,438					
Filing Date	April 20, 2004					
First Named Inventor	Jun KOYAMA et al.					
Group Art Unit	2675					
Examiner Name	K. Kumar					
Attorney Docket Number	0756.7207					

				U.S. PATENT DOCUMENT	rs		
Examiner Inkiah	Cae No.1	U.S. Patera Document		Name of Patentee or Applicant of Cited	Date of Publication of Ched Document MD4-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number Kind Co		Document			
HV		5,256,916		Thurston	10/26/1993		
4160	1	6,225,866		Kubota et al.	05/01/2001		
				·			
						<u> </u>	

				F	OREIGN PATENT DOC	UMENTS	:	
Examiner Initials	Cite No.1	Fereign Patent Document			Name of Patentee or Applicant of Ched Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office	Number ⁴	(if brown)	Applicant of Cited Document	MOA-DD-YYYY	Figures Appear	T*
WW	1	JP	06-05381	3		02/25/1994		Abst.
7	1	JP	07-32718	5		12/12/1995		Abst.
	1	JP	08-14691	8		06/07/1996		Abst.
	1	JP	09-03673	0		02/07/1997		Abst.
V	—							
· - ·	• • • • • • • • • • • • • • • • • • • •		0	THER PRIOR	art – non patent lite	RATURE DOCUMENTS		
Examiner Initials	Cite No.1		Include stem (bo	name of the aut ok, magazine, jo	hor (in CAPITAL LETTERS), purnal, serial, symposium, catal publisher, city and/or coun	log, etc.)., date, page(s), volum	priate), title of the mo-issue number(s),	L ₃
		1						
	-	-						+
	1	1						
	 	1						
			_		4			
	I	//	77 /	ZIA.			7	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

Considered

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 2 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

STEM &

Approved for use through 10/31/2002. OMB 0551-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0756-7297

red to respond to a collection of information unless it contains a valid QMB control number, Under the Peperwork Reduction Act of 1995, no persons are requ Complete if Known Substitute for form 1448A/PTO Application Number 10/827,438 INFORMATION DISCLOSURE April 20, 2004 Filing Date STATEMENT BY APPLICANT Jun KOYAMA et al. First Named Inventor (use as many sheets as necessary) 2675 **Group Art Unit** K. Kumar Examiner Name

Attorney Docket Number

, LL	U.S. PATENT DOCUMENTS									
Examiner Initiata	Cite No.1	U.S. Petert Document	Name of Patentee or Applicant of	Date of Publication of Ched Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
		Number IGnd Code ² (If known)	Cited Document	marco-1111	r quat Appea					
44		2001/0045931	Koyama et al.	11/29/2001						
		5,250,852	Ovens et al.	10/05/1993						
		5,808,595	Kubota et al.	09/15/1998	·					
		5,597,740	Ito et al.	01/28/1997						
		6,549,184	Koyama et al.	04/15/2003	·					

					FC	REIGN PATENT DOC	UMENTS		,
Examiner Initials	Cite No.1	Foreign Patent Document				Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
				Kind Code (if knows		Applicant of Cited Document	MM-DD-YYYY	or Relevant Figures Appear	Τ*
	<u> </u>	<u> </u>		T. (50.0)	<u></u>	NOT NOW DATENT LITTE	DATURE DOCUMENTS		
				THER P	uçk /	ART - NON PATENT LITE	POLITURE DOCUMENTS		
Examiner Initiats	Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.						Τ3
4		Non	-final Offi	cial Ac	tion	in Serial No. 10/34	1,470, mailed May 1	17, 2004.	-
							·		

Examiner Date Considered Signature *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if

not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Riese type a plus sign (+) inside this box → [+]

PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitu	te for form 14	49A/PTO		Coa	Complete if Known				
			OSLIDE	Application Number	10/827,438	_			
INFORMATION DISCLOSURE				Filing Date	April 20, 2004				
STATEMENT BY APPLICANT				First Named Inventor	Jun KOYAMA et al.				
	(use es man	y sheets as nece	?338/y)	Group Art Unit	2675				
				Examiner Name	K. Kumar				
Sheet	1	of	1	Attorney Docket Number	0756-7297				
				HO BATTUT DOCUMENTS		=			

	U.S. PATENT DOCUMENTS									
Examiner Initiats	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of	Date of Publication of Cited Document NOA-OD-YYYY	Peges, Columns, Lines, Where Relevant Pessages or Relevant Figures Appear				
		Number	Kind Code ³ (# knawn)	Cited Document		- dmes whhere				
										

				FOREIGN PATENT DO	CUMENTS		
Examiner Initials	Cite No.1	-	Foreign Patent Document	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Office ³ Number ⁴ (if known)		Applicant of Cited Document	MM-DD-YYYY	or Relevant Figures Appear	T ⁴
4	7	JP	09-074204		03/18/1997		Full
GILL	1	JP	09-036730		02/07/1997		Full
			OTHER PRK	OR ART - NON PATENT LIT	ERATURE DOCUMENTS		
Examiner Initials	Cite No.1		include name of the autem (book, magazine, jo	thor (in CAPITAL LETTERS) urnal, serial, symposium, cat publisher, city and/or cou), title of the article (when app alog, etc.)., date, page(s), vol- intry where published.	ropriate), title of the urne-lasue number(s),	1,3
		↓				· · · · · · · · · · · · · · · · · · ·	-
		ì					
						······································	-

Examiner	V. / S// HF/ //	Date	ARIN	
Signature	XII BENTUL	Considered	שטוכוג	
				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box — (+) JAN 2-7 2005 U.S. Edient a

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Estent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	te for form 1449A/PT			JIMKO-	nplete if Known
INEC	RMATION [JIECI	OSHIDE	Application Number	10/827,438
				Filing Date	April 20, 2004
STATEMENT BY APPLICANT				First Named Inventor	Jun KOYAMA et al.
	(use as many sheets	i as nece	ssary)	Group Art Unit	2675
				Examiner Name	K. Kumar
Sheet	1	ď	1	Attorney Docket Number	0756-7297
				LO DATEST DOCUMENTS	

		•		U.S. PATENT DOCUMEN	ITS	
Exeminer Initials	Cito No.'	U.S. Patent Document		Name of Patentee or Applicant of	Oste of Publication of Cited Document MM-DO-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number	Kind Code ¹ (8 known)	Cited Document	m	Figures Appear
					•	
					1	
					•	

				FOREIGN PATENT DO	CUMENTS							
Examinar thitists	Cite No.1	-	Foreign Patent Document	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Pessages	۱ ـ					
		Office ³	Kind Code* Number* (d known)	Applicant of Cited Document	MM-DD-YYYY	or Relevant Figures Appear	74					
THE		JP	03-141391		06/17/1991		Abst.					
			-									
	┼──		 				İ					
			OTHER PRI	OR ART - NON PATENT L	ITERATURE DOCUMENTS							
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.										
		+			 							
		1					<u> </u>					

Examiner	KILLEN -	Date	2/12/21	
Signature	SUBJECT STATES	Considered	117106	
0.00.00.00	75 76 77 77 77 77 77 77 77 77 77 77 77 77			

^{*}EXAMINER! Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is

¹Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Examiner

Signature

Approved for use through 10/31/2002. OMB 0851-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1895, no persons are required to respond to a colo tion of information unless it contains a valid QMB control number. Complete if Known Substitute for form 1449A/PTO Application Number 10/827,438 INFORMATION DISCLOSURE April 20, 2004 STATEMENT BY APPLICANT First Named Inventor Jun KOYAMA et al. (use as many sheets as necessary) 2675 Group Art Unit K. Kumar **Examiner Name** Attorney Docket Number αf 0756-7297

r				U.S. PATENT DOCUMEN	TS		
Examinar Initiats	Cite No.	U.S. Peti	ert Document	Name of Patentee or Applicant of	Date of Publication of Cited Document MW-DD-YYYY	Pegas, Columns, Lines, Where Relevent Pessages or Relevant	
		Number K		(Gnd Code ² (If known)	Cited Decument	mar-ou-tttt	Figures Appear
					,		
···				·			
		· -					
		<u> </u>					

				F	OREIGN PATENT DOC	UMENTS		
Examiner Initials	Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of Ched Document	Pages, Columns, Lines, Whore Relovant Passages	
		Office ³	Number ⁴	Kind Code" (il known)	Applicant of Cited Document	MAH-DD-YYYY	or Refevent Figures Appear	₹*
948		JP	03-14139	91		06/17/1991		Full
			0.	THER PRICE	ART - NON PATENT LITT	RATURE DOCUMENTS		
Examiner Initials	Cite No.1		Include nam item (book, m	ne of the auth egazine, jour	or (in CAPITAL LETTERS), nal, serial, symposium, cata publisher, city and/or cou	title of the article (when applied, etc.)., date, page(s), voluntry where published.	ropriate), title of the ume-tasue number(s),	T²
								
								1

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

Considered

15/06

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is

¹ Unique citation designation number. ² Applicant is to place a check mark here if English tanguage Translation is attached.

Please type a plus sign (+) inside this box \rightarrow [+] MAY 2 5 2005

gn (+) inside this box → [+]

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

ork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid 0MB control number.

Substitute for form 1449A/PTO Complete if Known **Application Number** 10/827,438 INFORMATION DISCLOSURE Filing Date April 20, 2004 STATEMENT BY APPLICANT Jun KOYAMA et al. First Named Inventor (use as many sheets as necessary) 2675 Group Art Unit K. Kumar **Examiner Name** Sheet of **Attorney Docket Number** 0756-7297

				U.S. PATENT DOCUMENT	TS .	
Examiner Initials	Cite No. 1	U.S. Patent Cocument		Name of Patentee or Applicant of	Osta of Publication of Cited Document	Pagas, Columns, Ulnas, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ¹ (# known)	Cited Document	MA-DD-YYYY	Figures Appear
		ļ				
	ļ					
	 			· · · · · · · · · · · · · · · · · · ·		
	 					
	 			<u></u>		
	 		-			
	 					
	 	 		 		
	╁──-			<u> </u>		
i	1	l			I	

					- 59	REIGN PATENT DOC	UNICA 10	r—		
Examinar Initials	Cite No.1	Foreign Petent Document				Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages	_	
		Office ³ Number ⁴ (# known)		Applicant of Cited Document	MM-DD-YYYY	or Relevant Figures Appear	7"			
	-				\dashv					
	1				\dashv					
	.1		C	THER PR	IOR A	ART - NON PATENT LITE	RATURE DOCUMENTS	<u> </u>		
Examiner Initials	Cite No.1		Include name of the author (in CAPITAL LETTERS), tibe of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.							
CAR						, 2005 for Applicat I., and Pending Cla		1,470 filed January	-	
			•							
		 				· · · · · · · · · · · · · · · ·				

Examiner Signature	Swaffell-	Date Considered	3/1	3/06

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ² Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark hare if English language Translation is attached.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this bot

Examiner

Signature

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0831-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE and trademark of information unless it contains a walld OM3 control number. Under the Peperwork Reduction Act of 1995

Substitut	e tor torm 1448A/PTC)	CA COM	Co	mplete if Known	
INFO	RMATION D	ISCI	OSURE	Application Number	10/827,438	
				Filing Date	April 20, 2004	
STATEMENT BY APPLICANT (use as many sheets as necessary)				First Named Inventor	Jun KOYAMA et al.	
	(use as many aneets	83 NGC61	isary)	Group Art Unit	2675	
				Examiner Name	K. Kumar	
Sheet	1	ď	1	Attorney Docket Number	0756-7297	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials	City No.1	U.S. Petent Occument		Name of Paternee or Applicant of	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
			d Code ⁸	Cited Document	MOM-OD-YYYY	Figures Appear
411		6,538,632		Yamazaki et al.	03/25/2003	
200		6,831,299		Koyama	12/14/2004	*
			_			
			_			
	-	ļ	_			
			-			
				<u> </u>		
					ľ	

					FOREIGN PATENT DOC	UMENTS		
Examiner Initials	Cita No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Peges, Columns, Lines, Where Relevant Passages	
		Office ³	Kind Code* Office ³ Number* (il known)		Applicant of Cited Document	MON-OD-YYYY	or Relevant Figures Appear	7*
	-							
		·	•	THER PRIO	'	ERATURE DOCUMENTS		
Examiner Initiate No. Include name of the author (in CAPITAL LETTERS), title of the erticle (when appropriate), title of the initiate No. Item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(a), volume-lasue num publisher, city and/or country where published.							ropriate), title of the ima-lasse number(s),	T³
								
						,		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

Considered

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.